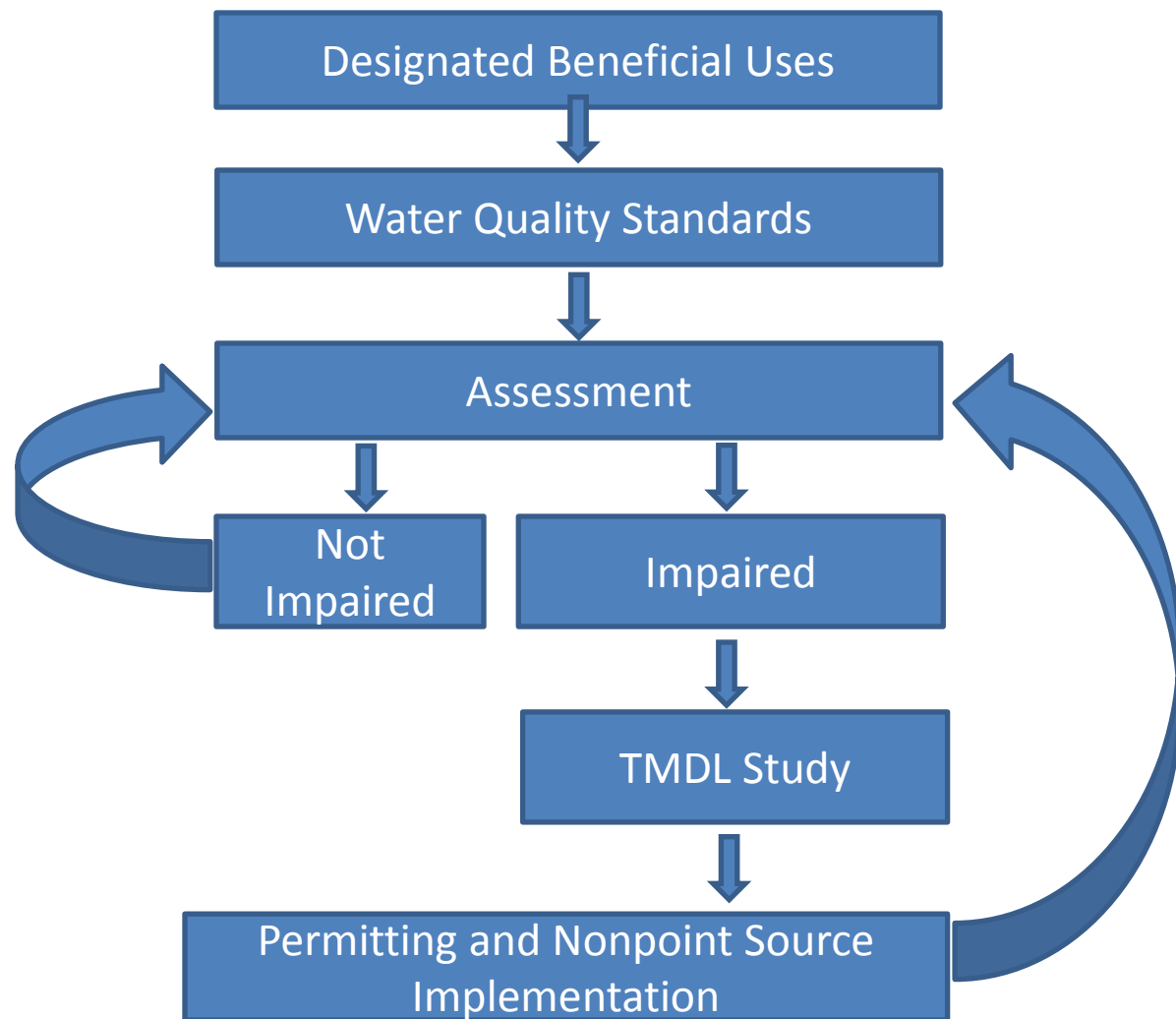


Utah's Regulatory Authority to Protect and Restore Water Quality

Clean Water Act Sections
303, 304, 305, and 402
(among others) →
Delegated from EPA to
State of Utah, DEQ

Utah Water Quality Act
(Title 19-5) outlines
Powers of Water Quality
Board and Director of
Division of Water Quality



Utah Lake Impairment Listings

Year Listed	Water Body	Parameter	Use Impaired
2002	Utah Lake	Total Dissolved Solids	4 – Agricultural
2002	Utah Lake	Total Phosphorus	3B - Aquatic Life
2010	Utah Lake	PCBs	3B - Aquatic Life
2016	Utah Lake	Harmful algal bloom	2B - Recreational
2016	Provo Bay	Ammonia	3B – Aquatic Life
2016	Provo Bay	pH	3B – Aquatic Life

Utah Lake Uses

2B: Protected for infrequent primary contact recreation.

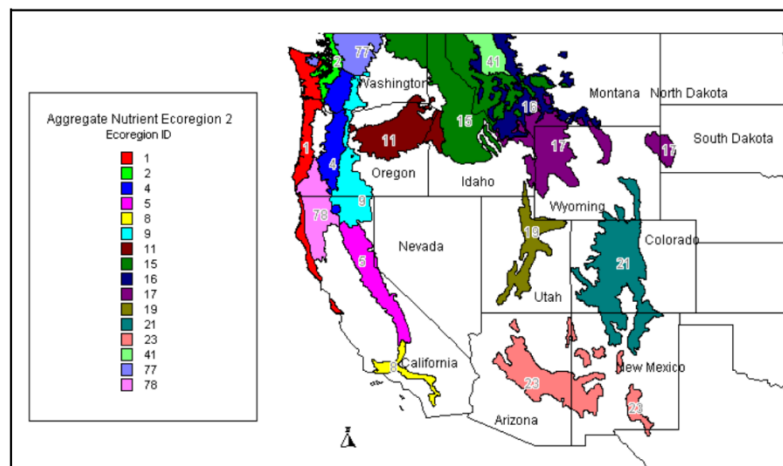
3B: Protected for warm water species of game fish and other warm water aquatic life, including the necessary aquatic organisms in their food chain.

3D: Protected for waterfowl, shore birds and other water-oriented wildlife, including the necessary aquatic organisms in their food chain.

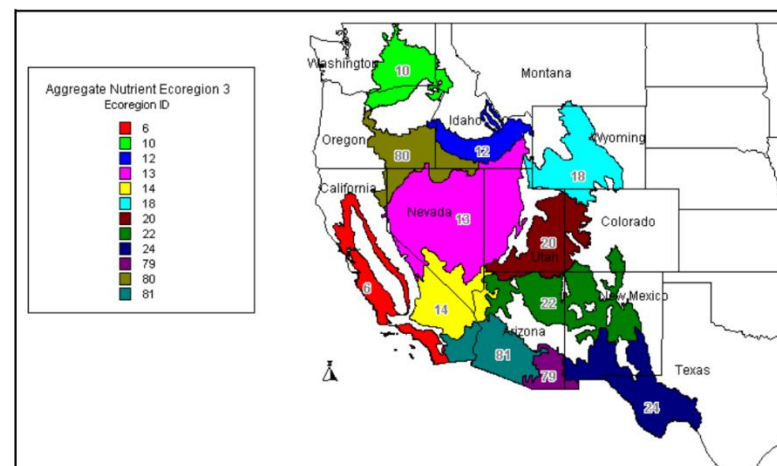
4: Protected for agricultural uses including irrigation of crops and stock watering.

EPA's Nutrient Criteria: 2002 - 2004

Western Forested Ecoregion (II)



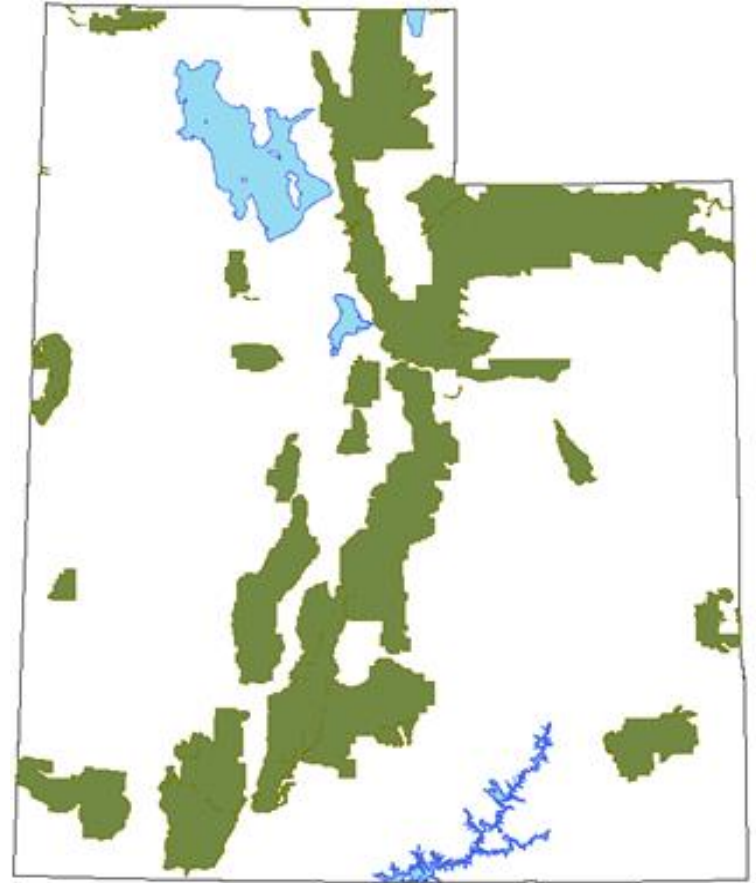
Xeric West Ecoregion (III)



	Rivers and Streams		Lakes and Reservoirs	
	TP (mg/L)	TN (mg/L)	TP (mg/L)	TN (mg/L)
Western Forested Ecoregions (II) <i>Wasatch and Uintah Mountains (19)</i>	0.01	0.34	0.005	0.21
Xeric West Ecoregion (II) <i>Central Basin and Range Subcoregion (13)</i>	0.028	0.425	0.03	0.51
Xeric West Ecoregion (II) <i>Colorado Plateaus Subcoregion (20)</i>	0.02	0.553	0.003	0.15

Utah's Nutrient Strategy

Headwater Numeric Nutrient Criteria
to protect pristine waters

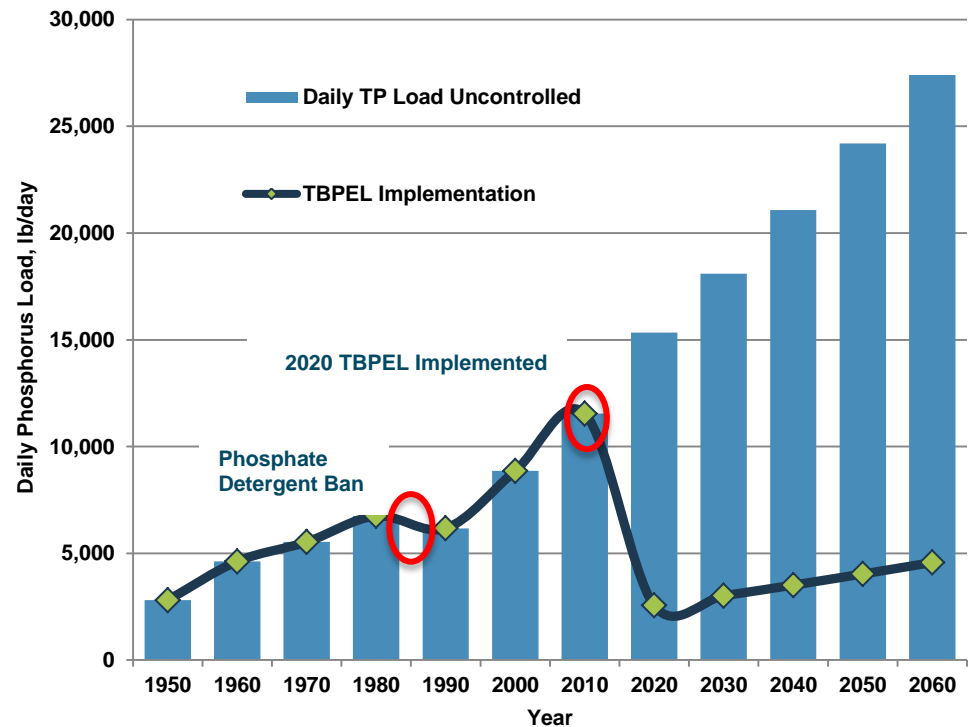


Utah's Nutrient Strategy

Headwater Numeric Nutrient Criteria
to protect pristine waters

“Hold the Line” state-wide on
nutrients with Technology Based
Phosphorus Effluent Limit of 1 mg/L
by 1/1/2020

Utah Phosphorus Loading to State



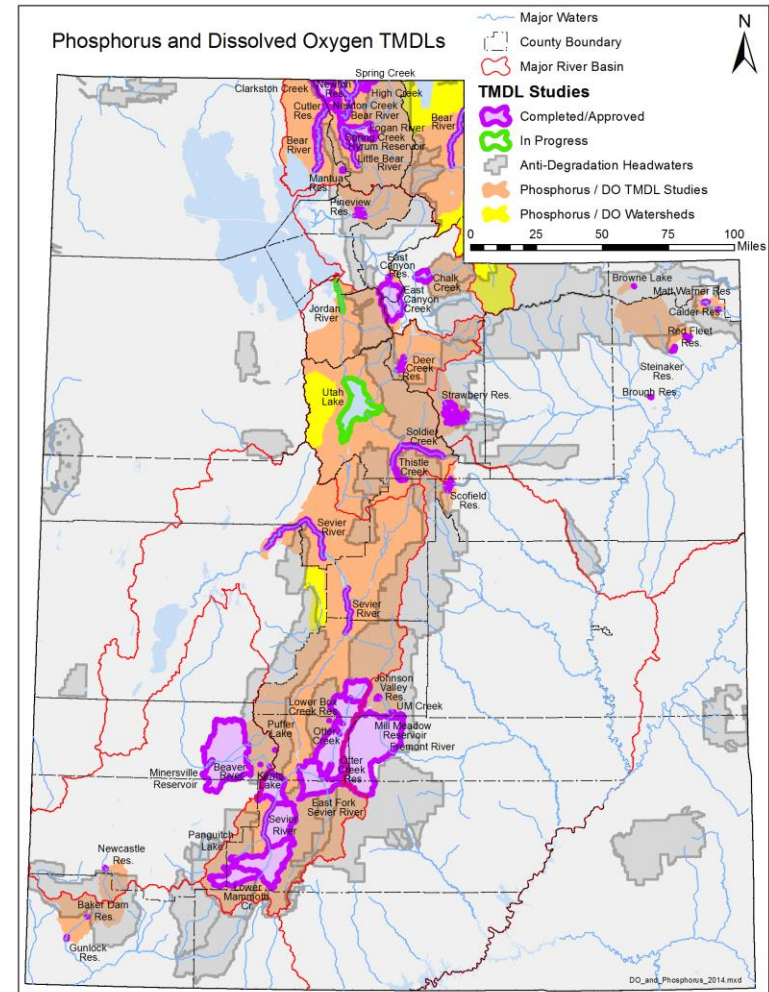
Utah's Nutrient Strategy

Headwater Numeric Nutrient Criteria
to protect pristine waters

“Hold the Line” state-wide on
nutrients with Technology Based
Phosphorus Effluent Limit of 1 mg/L
by 1/1/2020

Develop site-specific nutrient
standards for major waters

Continue nonpoint source project
implementation





Questions